

GP5000

Gas & Plasma Cutting Machine

With a robust mild steel box section construction, machined bearing runners and heavy duty drives the GP5000 is optimised for the super smooth low speed performance demanded when gas cutting thick materials, whilst maintaining good high speed plasma performance.

A simple and robust design gives the GP5000 machine the ability survive the harsh environment of the profile cutting trade, all parts are readily available and easy to replace.

Available with upto 12 heavy duty motorised cutting heads in a combination of gas, plasma, plasma marker and powder marker.

Automatic gas pressure control and automatic pierce fitted as standard.

GP5000 - built to last.



Techserv

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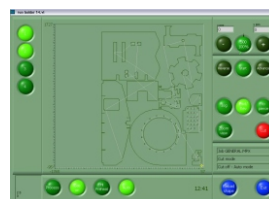
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Specification:

Plate widths	1,500 to 6,000mm
Speed	0 - 10,000mm/min (std)
Drives:	
Longitudinal	Dual rack and pinion
Transverse	Stainless steel band Three axis AC brushless digital drives
Gas and heads:	Automatic gas pressure control with auto pierce
Cutters	Oxy/Fuel 12 Max Plasma 2 Max
Controller:	Techserv touch screen CNC system



Profile cutting machine specialists

Techserv – High quality products designed and built in Britain

Cutting Options

Gas Cutting Heads.

Upto eight gas cutting heads may be fitted to the machine, giving a cut capacity of 100mm mild steel. Each head comprises of a heavy duty head and Harris cutting torch. Metal covers are fitted to protect all the moving parts.

Automatic gas controls

When the plate thickness is set by the operator, the machine automatically adjusts the pre heat / cutting oxygen pressures, cutting speed and preheat time accordingly, this gives consistent cutting quality and substantially reduces the processing time.

When cutting thicker steel the machine utilises its inbuilt automatic pierce function. This ramps the cutting oxygen pressure up whilst increasing the machine travel speed.

Auto-Cut Plasma Series

The Thermal Dynamics Auto-Cut series offers premium cut performance on both mild steel and non-ferrous materials. The power supply is designed for reliable, low cost operation. Features like the XT-301 consumable parts cartridge and the machine status indicator make the Auto-Cut easy to operate.

The Auto-Cut plasma is normally operated using economical compressed air plasma and air shield gas for cutting mild steel and most non-ferrous materials, resulting in high quality surface finishes and dross free cuts. For even better cuts on mild steel, Auto-Cut offers Oxygen cutting capability. For lowest cost non ferrous cutting and unmatched cut quality use **Water Mist Secondary (WMS™)**

WMS delivers excellent non-ferrous cut quality and low cost of operation by using N2 as plasma gas and ordinary tap water as the secondary. A reducing atmosphere is produced in the cut by the release of hydrogen from the secondary water. This reducing atmosphere significantly reduces oxidation on the cut face surface. WMS is recommended up to 1" (25 mm).



Auto-Cut 100 100 amps at 100% duty cycle

Cutting capacity
15mm production
20mm piercing
35mm severance

Auto-Cut 200 200 amps at 100% duty cycle

Cutting capacity
25mm production
32mm piercing
50mm severance

Auto-Cut 300 300 amps at 100% duty cycle

Cutting capacity
25mm production
30mm piercing
50mm severance